

Abstract of the Disclosure

A device comprising a shaft, a front ring connected to this shaft, an end ring connected to the shaft at a distance A from the front ring, and a loose mixing ring, which is freely rotatable and located between the front ring and the end ring. The mixing ring has a first region in which its inside diameter is large enough for it to be able to overlap with a region of smaller diameter of the front ring has an adjoining region in which the mixing ring has on its inner side at least two channels (4k) which run axially parallel, at an angle in relation to the axis of the shaft or helically thereto, and also an adjoining third region in which its inside diameter is large enough for it to be able to overlap with a region of smaller diameter of the end ring and the mixing ring is so long that, in its respective end positions, the other of the two rings respectively is partially overlapped by the mixing ring. The mixing ring channels are offset in relation to each other.

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